

First and Part bill

M. A. R. 57 (Rule 116)
Measurement Book

No. E
396063

al No.
ne of work From To
ne of Contractor of nature of Agency. N.N. 11-11-2021
e of commencement of work. 3/3/2021

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Name of work : Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunadagodu, Ambedkarnagar, Mohan Kumar nagar, Poornanagur, Ramabhai Colony, Jalahalli Harigane. Siddasethanagar, Khatthanagar. Abhayanagar, Karadijodi, Peenya 4th block Ak colony and Surrounding areas of 3 lanes in RR nagar constituency under Pakagc - 2019-20 RR N-DIV - (13)						
Estimate cost :-	1000.00	Lakhs				
Job code :-	017-20-000009	162				

Work order NO :- EE/13202/2020/2021
Agreement NO :- 162/2020-21 3/3/2022

DE :- 03/03/2022

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	Geophysical investigation & site for sinking borewell	NO	0.00	3806.00	0.00	
2	Sinking borewell of 165mm dia clear using Super test hydraulic rig.....	Rmt	0.00	350.00	0.00	
3	Sinking borewell of 165mm dia clear using Super test hydraulic rig of capacity 300 PSCG.....	Rmt	0.00	1416.00	0.00	
4	Sinking borewell of 165mm dia clear using Super test hydraulic rig.....	Rmt	0.00	1461.00	0.00	

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Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2						
Sinking borewell of 165mm dia clear using Super test hydraulic rig.....	Rmt	0.00	541.00	0.00		
Sinking borewell of 165mm dia clear using Super test hydraulic rig.....	Rmt	0.00	640.00	0.00		
Sinking borewell of 165mm dia clear using Super test hydraulic rig.....	Rmt	0.00	707.00	0.00		

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
8.	Sinking borewell of 165mm dia clean using super fast hydraulic rig.....	Rmt	0.00	833.00	0.00	
9.	Sinking borewell of 165mm dia clean using super fast hydraulic rig.....	Rmt	0.00	909.00	0.00	
10.	Sinking borewell of 165mm dia clean super fast hydraulic rig.....	Rmt	0.00	1114.00	0.00	
11.	Providing and fixing 38mm dia pvc.....	Rmt	0.00	2626.00	0.00	

OK
14/5

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Contractor of nature of Agency.....		From		To		
Commencement of work.....						
Full description, etc. of work	Number	Dimensions			Contents	Reference to last Measurement
		Length	Breadth	Depth		
2	3	4	5	6	7	
Supply of ISI mark 175mm nominal bore....	Rmt	0.00	1338.00	0.00		
Providing 175mm of MS Lectors per direction....	NO	0.00	150.00	0.00		
Providing 175mm dia Bore cap.....	NO	0.00	101.00	0.00		
Atlanta Soguna CAT KIRLOSKAR.....	NO	0.00	5015.00	0.00	14 Rmt	

OK
14/5

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1		3	4	5	6	7
	16. Providing and fixing in trenches galvanised.....	Rmt	6.00	45.00	0.00	
	17. Supplying and drawing 3 core flat PVC sheathed Submersible pump. ---	Rmt	0.00	128.00	0.00	
	18. Providing and fixing 1/2" provision stem nominal bore -----	N0	0.00	1359.00	0.00	
	19. Supplying and fixing stem GI union.	N0	0.00	2.26.00	0.00	
	20. Supplying & fixing 50 mm GI Elbow.	N0	0.00	113.00	0.00	

No.

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of Contractor of nature of Agency.....

Commencement of work.....

Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Supplying & fixing 50mm GI nipple.	N0	0.00	105.00	0.00		
Supplying & fixing 50mm GI Hose connection.	N0	0.00	124.00	0.00		
Supplying & fixing 20"x20"x2.5" polished wood boards.	N0	0.00	305.00	0.00		
Supplying & fixing minidial circuit.	N0	0.00	1955.00	0.00		
Supplying & fixing 2" x 2" x 2.5" polished wood boards.	N0	0.00	1818.00	0.00		

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Date	Full description, etc. of work	DIMENSIONS					Contents
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	25. Supplying & fixing LED type panel board...	N0	0.00	1434.00	0.00		
	27. Supplying fully automatic star delta starter.	N0	0.00	6464.00	0.00		
	28. Supplying & fixing single phase meter using necessary wires	N0	0.00	7520.00	0.00		
	29. Wiring for lighting fixture circuit using one 8 PMS PVC.	mtrp	0.00	45.00	0.01		
	30. Supplying fixing & wiring heavy duty...	N0	0.00	104.00	0.00		

No.		From		To		
of work		of Contractor of nature of Agency		of commencement of work		
Full description, etc. of work				Reference to last Measurement		
2	Number	Dimensions			7	8
	3	4	5	6		
	Contents					
	Reference to last Measurement					
Supplying & fixing, wiring earth electrode for ground conductors	N0	0.00	3030.00	0.00		
Digging & trench of 0.36 mtrp deep x 0.5 mtrp wide	mtrp	0.00	105.00	0.00		
Supplying laying 1.1 kv class LT wire	mtrp	0.00	152.00	0.00		
Cable						

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MEASUREMENT BOOK

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No. E 396000

1 Date	2 Full description, etc. of work	Dimensions				7 Contents
		3 Number	4 Length	5 Breadth	6 Depth	
	Labour charge for laying 1-1 kv class U/cable....	No	0.00	12.00	0.00	
	Supplying & fixing class A G.I. pipe	Rmt 0.00	338.00	0.00		
	Supplying & fixing LT Cast iron post heads....	No	0.00	238.00	0.00	
	Supplying & fixing precast concrete fence elements....	No.	0.00	229.00	0.00	
	Dimensting & cement concrete pavement & mediansl mens....	Cum	6.00	962.00	0.00	

No.	From	To			
of work					
of Contractor of nature of Agency					
of commencement of work					
2 Full description, etc. of work	Dimensions			7 Contents	8 Reference to last Measurement
	3 Number	4 Length	5 Breadth		
Earthwork excavation for foundation of buildings	Cum	0.00	481.00	0.00	
providing & fixing charomised poly vinyl chloride pipes	mts	0.00	462.00	0.00	
making connection of C.I. distribution branch with C.I.	Each	0.00	517.00	0.00	1415.76

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1 Date	2 Full description, etc. of work	Dimensions				7 Contents
		3 Number	4 Length	5 Breadth	6 Depth	
	12. providing & fixing Chlorinated poly vinyl Chloride pipes-----	mtr	0.00	168.00	0.00	
	13. providing & fixing to wall ceiling & floor medium-----	mtr	0.00	158.00	0.00	
	14. Providing available around earth pipe lines, cables in layers-----	Cum	0.00	130.00	0.00	
	15. loading & unloading of Stone boulder/stones---	Cum	0.00	99.00	0.00	

2 Full description, etc. of work	Dimensions				7 Contents	8 Reference to last Measurement
	3 Number	4 Length	5 Breadth	6 Depth		
providing & fixing in position brass gate-----	Each	0.00	1862.00	0.00		
providing & fixing in position brass gate-----	Each	0.00	151.00	0.00		
providing & laying in position plain cement concrete-----	Cum	0.00	5162.00	0.00		
supplying water storage tank made of masonry-----	Ltr	0.00	5.90	0.00		

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No. E 396070

From To

Date	Full description, etc. of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
50.	Supplying, installation, testing and commissioning of solar -----	nos	0.00	4908.00	0.00	
51.	Dimensioning of cement concrete pavement by motorized machine -----	Cum	0.00	962.00	0.00	
52.	Excavation for road, drain and similar works -----	Cum	0.00	139.00	0.00	
53.	Providing & fixing underground pipe, meter -----	Mtr	0.00	2044.00	0.00	11/3/16

No.	From	To				
of work, ...						
of Contractor of nature of Agency, ...						
of commencement of work, ...						
Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Plain Cement concrete 1:1.5:3 mix with crushed stone ----- providing & laying reinforced cement concrete pipe----- Constructing brick masonry circular Hoff manhole.... Constructing brick '						

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Date	Full description, etc. of work	Dimensions					Contents
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
58.	Making connection of drain on sewer line....	runs	0-00	3731.00	0-00		
59.	providing 2mm square ms footrest & fixing in manhole....	nos	0-00	295.00	0-00		
60.	providing & fixing to wall, cast iron and floor in upstaircase....	0-00	465.00	0-00			
61.	MSRB 2-4: Pulling quality earth and pipe line....	Cum	0-00	13000	0-00		

No. To							
of work From							
of Contractor of nature of Agency							
if commencement of work							
Full description, etc., of work 2	Number 3	Dimensions			Depth 6	Contents 7	Reference to last Measurement 8
		Length 4	Breadth 5				
loading & unloading of stone Boulders/ star aggregate-----	Cum	0.00	99.00	0.00			
providing & laying spreading & compai -ing-----	Cum	0.00	1336.00	0.00			
Excavation for road approach and similar work-----	Cum	4043.78	139.00	557915.00		145 Mt'	

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Contractor of nature of Agency..... From To

Date	Full description, etc. of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
65.	Compaction of original ground with maximum 6 passes-----	Sqm	0.00	6.00	0.00	
66.	Construction of granular Sub-base grading-r as Sub base-----	Cum	0.00	2015.00	0.00	
67.	Construction of dry lean Cement concrete mix.CC1:5:10-----	Cum	0.00	3924.00	0.00	
68.	Construction un-reinforced plain cement concrete-----	Cum	0.00	5263.00	0.00	

Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
vacuum de-aerating with vacuum pump and suction mat-----	Sqm	0.00	73.00	0.00		
plain cement concrete reinforced with rebar 10mm dia @ 150mm c/c	Cum	358.76	4524.00	1624/25.00		
reinforced concrete slab 150mm thick	Cum	1355.59	2151.00	96924.00		

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No. E 396073

1 Date	2 Full description, etc. of work	Dimensions				7 Contents
		3 Number	4 Length	5 Breadth	6 Depth	
	72. Supplying, fitting and placing of 100mm. concrete drain cover slab	1331.56	2237.00	311856.00		
	73. Supplying & laying of 100mm. concrete drain cover slab	88.56	73850.00	6469254.00		
	74. Supplying & fitting of leg from double of 100mm. concrete drain cover slab	2.00	90900.00	181800.00		
	75. Supplying & fitting of leg from double of 100mm. concrete drain cover slab	3.00	151500.00	2422500.00		

No.		From		To			
of work of Contractor of nature of Agency.....		Full description, etc. of work		Dimensions		7 Contents	8 Reference to last Measurement
2		3 Number	4 Length	5 Breadth	6 Depth		
Supplying & fitting of pendulum double of 54ft-----		nos	2.00	90900.00	181800.00		
Supplying & fitting of shoulder from-----		nos.	2.00	181800.00	363600.00		
Supplying & fitting of cycle two way-----		nos	2.00	106050.00	212100.00		
Supplying & fitting of Trai Ching from-----		nos	3.00	90900.00	272700.00		
Total						145 ft	

MEASUREMENT BOOK

1	2	Dimensions				7
		3	4	5	6	
	Full description, etc. of work	Number	Length	Breadth	Depth	Contents
1						
81.	Supplying & fixing of twisted wire way---	nos	2.00	9090.00	181800.00	
82.	Supplying & fixing of chest post double & Sags-----	nos	1.00	181800.00	181800.00	
83.	Supplying & fixing of Iron Rovers-----	nos	3.00	6222.00	187860.00	
84.	Supplying & fixing of Iron Rider & Sags-----	nos	1.00	151500.00	151500.00	

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of work
of Contractor of nature of Agency.....
of commencement of work.....
From To

2	Full description, etc. of work	Dimensions				7	Reference to last Measurement
		3	4	5	6		
		Number	Length	Breadth	Depth	Contents	
	Supplying & fixing of strip rollers & Sags-----	nos	2.00	183315.00	366630.00		
	Supplying & fixing of Rolling Barrel-----	nos	2.00	145440.00	290880.00		
	Providing & laying Cement base, concrete, etc. for Rolling Cement-----	Sqm	553.66	1303.00	726629.00		

MEASUREMENT BOOK

1	Date	Full description, etc. of work	Dimensions				Contents
			Number	Length	Breadth	Depth	
88.		providing & casting granite/stop base & side stone masonry ----	Cum	29.40	4920.00	144648.00	
89.		providing & laying in position plain Cement Concrete ----	Cum	19.51	5870.00/14520.00		
90.		providing & laying Cement base. precast, pre finished Cement ----	Sqm	857.74	1230.00/183324.00		
91.		providing & fixing pre cast solid cement concrete kag ----	Mos	130.00	357.00/46220.00	141798	

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No. of work From To
of Contractor of nature of Agency.....
of commencement of work.....

2	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	Supplying & fixing M.S. Reinforcement (bars) ----	mtr	115.50	920.00	106261.00		
	providing & fixing M.S. B.S. pipe of 38mm dia ----	mtr	210.00	437.00/9770.00			
	providing plain link spanning 38mm dia ----	Sqm	196.00	765.00/14994.00			
	Earthwork in surface excavation in ordinary ----	Cum	0.00	71.00	0.00	141798	

MEASUREMENT BOOK

1	2	Dimensions				7
		3	4	5	6	
Date	Full description, etc. of work	Number	Length	Breadth	Depth	Contents
	96. Earthwork & concrete for foundation of building cum culverts-----	Cum	0.00	328.00	0.00	
	97. providing and laying in position plain cement concrete-----	Cum	6.00	5365.20	0.00	
	98. providing & laying in position reinforced cement concrete-----	Cum	0.00	6594.00	0.00	
	99. providing & removing centering, shuttering	Sqm	0.00	3192.00	0.00	

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No.	From	To					
of work							
of Contractor of nature of Agency							
of commencement of work							
2	Full description, etc. of work	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	providing & removing centering, shuttering, etc.	Sqm	0.00	480.00	0.00		
	providing & laying in position reinforcement, etc.	Sqm	0.00	480.00	0.00		
	providing & removing centering, shuttering, etc.	Sqm	0.00	352.00	0.00		
	providing T.M.S. steel reinforcement for R.C.C	Sqm	0.00	4440.00	0.00	111/3 x 11/3	
Sd/- M/S							

MEASUREMENT BOOK

1	2	Dimensions				7
		3	4	5	6	
	providing & constructing granite/brick/basalt/ stone etc.	Cum	0.00	5981.00	0.00	
	Filling available excavated earth in sides? foundation.	Cum	0.00	219.00	0.00	
	providing & constructing one coat solid block work	Sqm	0.00	1008.00	0.00	
	providing & constructing iron load bearing work.	Sqm	0.00	885.00	0.00	

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10.		From		10.			
If work, ...		If Contractor of nature of Agency, ...		commencement of work, ...			
Full description, etc. of work	Dimensions					Contents	Reference to last Measurement
	Number	Length	Breadth	Depth			
2	providing 18mm thick Cement plaster - - - -	3	0.00	301.00	0.00	7	
	providing 18mm thick Cement plaster in single coat - - - -	3sqm	0.00	285.00	0.00		
	providing 12mm thick Cement plaster - - -	3sqm	0.00	256.00	0.00		
	providing integral crystalline waterproofing - -	3sqm	0.00	468.00	0.00	✓	

MEASUREMENT BOOK

1	2	Dimensions				7
		3	4	5	6	
112.	providing & fixing of factory made 20mm pvc door ----	Sqm	0.00	570.00	0.00	
113.	providing & fixing 30mm Hair factory made rigid foam ----	Sqm	0.00	3029.00	0.00	
114.	providing & fixing of plaster in cement concrete 1:3:6 ----	Sqm	0.00	1252.00	0.00	
115.	providing & fixing of position black copper Sqm	Sqm	0.00	694.00	0.00	

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No. of work From To
of Contractor of nature of Agency

2	Full description, etc. of work	Dimensions				7	8
		3	4	5	6		
	providing Ceramic tiles of approved make, shade & size ----	Sqm	0.00	1320.00	0.00		
	providing Skirting made, rises & steps with colour ----	Sqm	0.00	1591.00	0.00		
	providing & applying fine coat with oil bound ----	Sqm	0.00	120.00	0.00		

Date	Full description, etc. of work	Dimensions					Contents
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
11.9.	providing & applying two coats with oil bound washable----	Sq.m	0.00	129.00	0.00		
11.10.	water proof cement paint providing & finishing----	Sq.m	0.00	111.00	0.00		
12.	providing & fixing white vitreous china clay--	Each	0.00	1452.00	0.00		
12.2.	providing & fixing white vitreous china clay----	Each	0.00	3357.00	0.00		

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From To
 Contractor of nature of Agency.....
 commencement of work.....

Full description, etc. of work	Dimensions					Contents	Reference to last Measurement
	Number	Length	Breadth	Depth			
2	3	4	5	6	7		
providing & fixing 1:1 mortar for approved make----	Each	0.00	273.00	0.00			
providing & fixing in position c.p. bid coat--	Each	0.00	789.00	0.00			
providing & fixing white vitreous china clay--I	Each	0.00	3275.00	0.00			